

# Colluvial Soils in Madison County

"Colluvium is soil that is being transported slowly downslope due to gravitational creep. Typically, colluvium consists of jumbled blocks of bedrock surrounded by a weathered clayey matrix. In humid areas colluvium can be very thick, up to 100 m. Structures can be (and often are) constructed on colluvium because the rate of movement is slow enough to cause little direct damage over the life of a structure (less than 100 years). However, excavations and changes in slope or water table position can accelerate creep and lead to landslide failure." (Hofstra University) ([http://people.hofstra.edu/faculty/j\\_b\\_bennington/33notes/soils.html](http://people.hofstra.edu/faculty/j_b_bennington/33notes/soils.html))

## Legend

- 100 Ft. Topography
- Springs
- Hummocky Surface
- Boulder Fields
- Rockfall
- Sinkholes
- Colluvium Deposits 0-5
- Colluvium Deposits 10 plus
- Limestone Outcropping
- Sandstone Bedrock
- Sandstone Residium

## Continuous Features

- Cherty Residium
- Colluvium 0 to 5
- Colluvium 5 to 9
- Colluvium 10 plus
- Colluvium General
- Limestone Outcropping
- Sandstone Outcropping
- Sandstone Residium

## Data Sources:

- Box 1 - Jack Kidd 2001
- Box 2 - Jack Kidd 2001
- Box 3 - Rupert Bodden 1992
- Box 4 - Roger Brewer 1991
- Box 5 - Jack Kidd 2001

Note: The data was collected using a variety of methods, which yielded more detail in some areas than others. This difference in detail is reflected in the classifications that are depicted. This map is intended as a general overview and is not a substitute for specific site surveys.

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